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PALAEONTOGRAPHICA.

BEITRAEGE ZUR NATURGESCHICHTE DER VORWELT.

SUPPLEMENT.

DIE FAUNA DER AELTERN CEPHALOPODEN FUEHRENDEN TITHONBILDUNGEN

VON

K. A. ZITTEL.

TAFEL I—XV.

CASSEL.

VERLAG VON THEODOR FISCHER.

1870.

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Schlotterbeck del.

1.Lepidotus maximus. *Wagn.*–2.Strophodus Tridentinus. *Zitt.*–3.4.Sphenodus impressus. *Zitt.*–5.Belemnites cfr. semisulcatus. *Münst.*–6.Belemnites tithonius. *Opp.*
7.Belemnites tithonius. *Opp.* var.–8.Belemnites Gemmellaroi. *Zitt.*–9.Belemnites Zeuschneri. *Opp.*–10.Aptychus exsculptus. *Schaur.*
11.12.13.Phylloceras ptychoicum. *Quenst.*–14.Phylloceras tortisulcatum. *d'Orb.* sp.–15.Phylloceras Zignodianum. *d'Orb.* sp.

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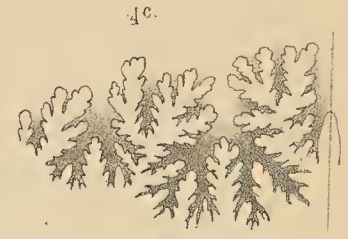

Schlotterbeck del.

1.Phylloceras Zignodianum. *d'Orb.* sp.—2.Lytoceras quadrisulcatum. *d'Orb.* sp.—3.4.Lytoceras montanum. *Opp.* sp.

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Schlotterbeck del.

1. Lytoceras sutile *Opp.* sp. – 2-6. Haploceras Staszycii *Zeuschner* sp. – 7. Haploceras elimatum *Opp.* sp. – 8-10. Haploceras verruciferum *Meneghini* sp. 11. Haploceras carachtheis var. subtilior *Zitt.* – 12. Oppelia asema *Opp.* sp.

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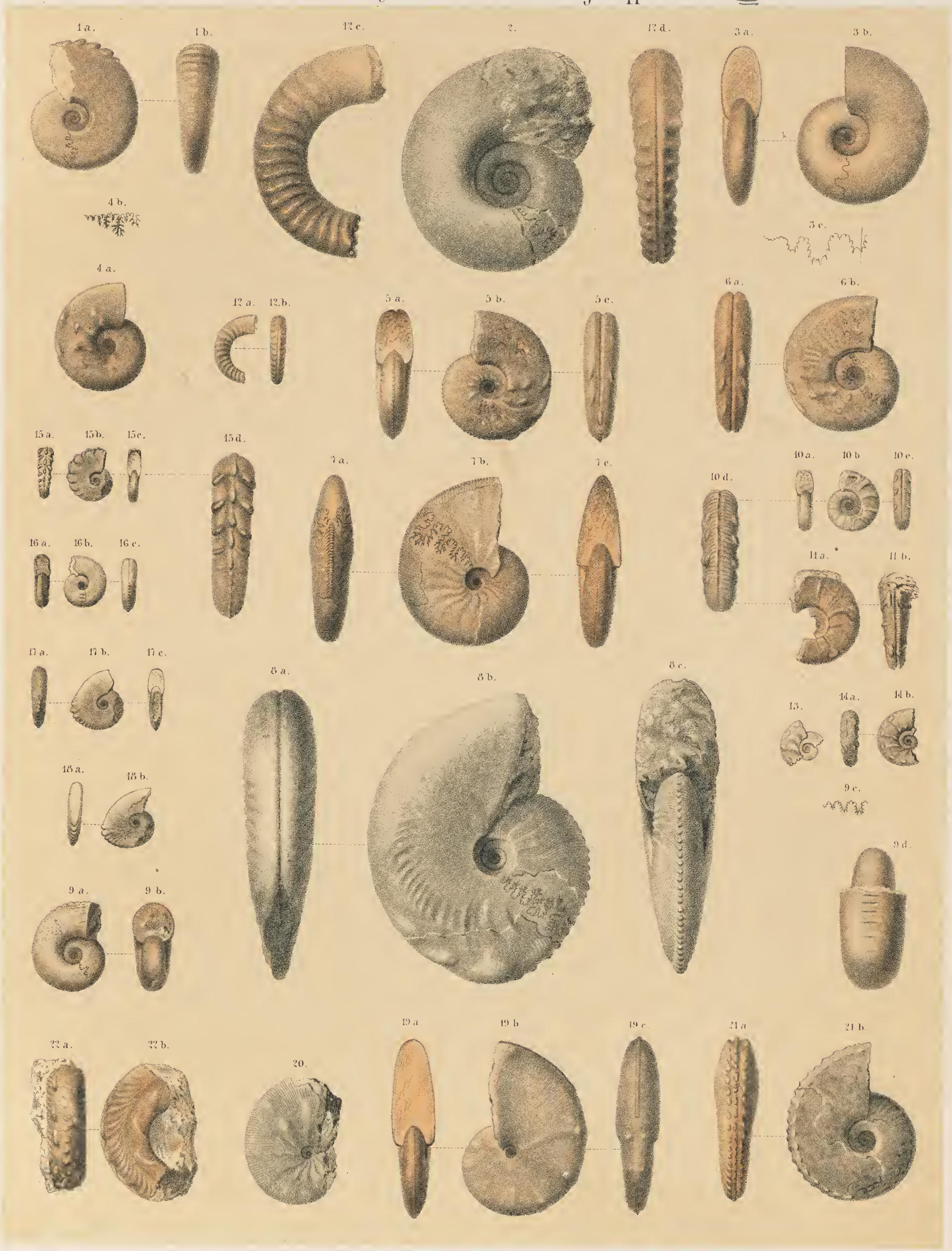

Schlotterbeck del.

1.Haploceras rhinotomum *Zitt.* – 2.Haploceras rasile var. inflata *Zitt.* – 3.Haploceras rasile var. planiuscula *Zitt.* – 4-6.Oppelia Fallauxi *Opp.* sp. 7.8.Oppelia semiformis *Opp.* sp. – 9 a-d Haploceras tomephorum *Zitt.* – 10.11.Oppelia Gemmellaroi *Zitt.* – 12.Oppelia mundula *Opp.* – 13.14.Oppelia domoplicata *Zitt.* 15.Oppelia microps *Opp.* sp. – 16.Oppelia psilosoma *Zitt.* – 17.18.Oppelia collegialis *Opp.* sp. – 19.20.Oppelia Folgariaca *Opp.* sp. – 21.Oppelia lithographica *Opp.* sp. 22.Oppelia cfr. Haeberleini *Opp.* sp.

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Schlotterbeck del.

1.Oppelia Waageni. *Zitt.* _2.Oppelia succedens. *Opp.* sp._3.Oppelia trachynota. *Opp.* sp. _4.Aspidoceras acanthomphalus. *Zitt.* _5.Aspidoceras Picciniii. *Zitt.*
6.Aspidoceras Apenninicum. *Zitt.*

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Schlotterbeck del. et lith.

1.Aspidoceras iphicerus *Opp.* sp. — 2-5. Aspidoceras cyclotum *Opp.* sp.

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1a.b. Aspidoceras Rogoznicense *Zeuschn.* sp. – 2.3. Aspidoceras Avellanum *Zitt.* – 3.4. Aspidoceras Zeuschneri *Zitt.* – 5. Aptychus cfr. obliquus *Quenst.* 6. Simoceras admirandum *Zitt.* – 7. Cosmoceras Catulloi *Zitt.* – 8. Cosmoceras simum *Opp.* sp. – 9.10. Cosmoceras adversum *Opp.* sp

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Schlotterbeck del. et lith.

1–3. Simoceras admirandum *Zitt.* – 4. Simoceras strictum *Catullo* sp. – 5. 6. Simoceras birmicinatum *Quenst.* sp. – 7–9. Simoceras Volanense *Opp.* sp.

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Schlotterbeck del.

1. Simoceras lytogyrus. *Zitt.* 2.3. Simoceras Catrianum. *Zitt.* 4.5. Perisphinctes Richteri. *Opp.* sp. 6 Perisphinctes colubrinus. *Reinecke.* sp 7. Perisphinctes (?) Beniamus. *Catullo.* sp. 8. Perisphinctes (?) Venetianus. *Zitt.*

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Schlotterbeck del

1.Perisphinctes Albertinus. *Catullo* sp._2.3.Perisphinctes exornatus. *Catullo.* sp._4.5.6.Perisphinctes colubrinus. *Reinecke.* sp._7. Perisphinctes Venetianus. *Zitt.*

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Schlotterbeck del.

1. 2. Perisphinctes contiguus. *Catullo* sp. 3. Perisphinctes geron. *Zitt.*

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Schlotterbeck del.et lith.

1. ?. Ancyloceras Guembeli *Opp.* – 3. Ancyloceras gracile. *Opp.* – 4. Pleurotomaria rupicalcis. *Zitt.* – 5. Spinigera Tatrica. *Zitt.* – 6. Heleion tithonium. *Zitt.* – 7. Neaera Pieteti. *Zitt.* 8. Corbula Pichleri. *Zitt.* – 9. Anisocardia Tyrolensis. *Zitt.* – 10. 11. Modiola Lorioli. *Zitt.* – 12. 13. 14. Modiola punctato striata. *Zitt.* – 15. 16. Aucella emigrata *Zitt.* – 17. 19. Lima paradoxa. *Zitt.* 20. ?1. Pecten cingulifer us. *Zitt.* – 22. Pecten sp. – 23. Pecten Rogoznicensis. *Zitt.* – 24. 25. Placunopsis Tatrica. *Zitt.*

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Schlotterbeck del et lith.

1–10. Terebratula diphya. *Colonna*. sp. 11–14. Terebratula Sima. *Zeuschner*. 15–24. Terebratula Bouéi. *Zeuschner*.

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Schlotterbeck del. et lith.

1 2. Terebratula rupicola. *Zitt.* 3. 4. 5. Terebratula planulata. *Zeuschner.* 6 8. Terebratula Carpathica. *Zitt.* 9. Terebratula Bilimeki. *Suess.*
10 14. Waldheimia pinguicula. *Zitt.* 15. Megerlea fraudulosa. *Zitt.* 16 20. Megerlea Wahlenbergi. *Zeuschner:* sp. 21. 22. Megerlea Tatrica. *Zitt.*
23 25. Rhynchonella atropha *Zitt.* 26 28. Rhynchonella Zeuschneri. *Zitt.* 29 31. Rhynchonella Hoheneggeri. *Suess.* 32. Rhynchonella Tatrica. *Zeuschner.* sp.
33. Rhynchonella trilobata. *Ziet.* 34 37. Rhynchonella Agassizi. *Zeuschner.* sp. 38 41. Rhynchonella capillata *Zitt.* 42. 43. Caryophyllia primaeva. *Zitt.*

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Schlotterbeck del.et lith.

1. 4. Metaporhinus convexus. *Catullo.* sp. 5. 6. Collyrites Friburgensis. *Ooster.* var. 7. 8. Collyrites Verneuili. *Cotteau.* 9. Hemicidaris Zignoi. *Cotteau* 10. Rhabdocidaris nobilis. *Münst.* sp. 11. 12. Pseudodiadema sp. ind. 13. 14. Balansorinus subteres. *Münst.* sp. 15. 16. Eugeniacrinus armatus. *Zitt.* 17. 18. Phyllocrinus patellaeformis. *Zitt.* 19. Phyllocrinus mutantiformis. *Schauroth.* sp. 20. 21. 22. Trochocyathus truncatus. *Zitt.*

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PALAEONTOGRAPHICA.

BEITRAEGE ZUR NATURGESCHICHTE DER VORWELT.

SUPPLEMENT.

DIE GASTROPODEN DER STRAMBERGER SCHICHTEN.

VON

K. A. ZITTEL.

TAFEL XVI—XXVIII.

CASSEL.

VERLAG VON THEODOR FISCHER.

1873.

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1. Pteroceras sp. ind. 2. 3. Alaria porrecta *Zitt.* 4. Columbellaria magnifica *Zitt.* 5. Columbellaria sp.? 6. 7. Columbellaria denticulata *Zitt.* 8. Columbellaria dubia *Zitt* 9. Columbellaria granulata *Zitt.* 10. Zittelia Gemmellaroi *Zitt.* 11. 12. 13. Zittelia crassissima *Zitt.* 14. 15. Zittelia globulosa *Zitt.* 16. 17. 18. Zittelia laeviuscula *Zitt.* 19-27. Itieria Staszycii *Zeuschner.* 28. Itieria Renevieri *Loriol.* 29. 30. Itieria multicoronata *Zitt.*

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1.2.3. Itieria rugifera. *Zitt.* — 4-9. Itieria Austriaca. *Zitt.* — 10-13. Itieria obtusiceps. *Zitt.* — 14.15. Itieria pygmaea. *Zitt.* — 16-19. Itieria melanioides. *Zitt.*
20-22. Ptygmatis Carpathica. *Zeuschner* sp. — 23-25. Ptygmatis pseudo-Bruntrutana. *Gemm.* sp. — 26-29. Nerinea Lorioli. *Zitt.* — 30-32. Nerinea Partschi. *Peters.*

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1.2.3. Nerinea crebriplicata. 4.5. Nerinea Zeuschneri *Peters*. 6.7. Nerinea Defrancei var. posthuma *Zitt*. 8.9.10. Nerinea Hoheneggeri *Peters*.
11. Nerinëa Silesiaca *Zitt*. 12.13. Nerinea affinis Gemm. 14. Nerinea cochleoides *Zitt*. 15.16.17. Cryptoplocus succedens *Zitt*.
18.19. Cryptoplocus consobrinus *Zitt*. 20. Cryptoplocus cingulatus *Zitt*.

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1. 2. Brachytrema superba *Zitt.* 3. 4. Purpuroidea Carpathica *Zitt.* 5. Purpuroidea Oosteri *Zitt.* 6. 7. 8. Purpuroidea striata *Zitt.*
9. Purpurina incrassata *Zitt.* 10. 11. Chilodonta victrix *Zitt.* 12. Chilodonta curta *Zitt.* 13. Cerithium (Euostoma) pagoda *Zitt.*

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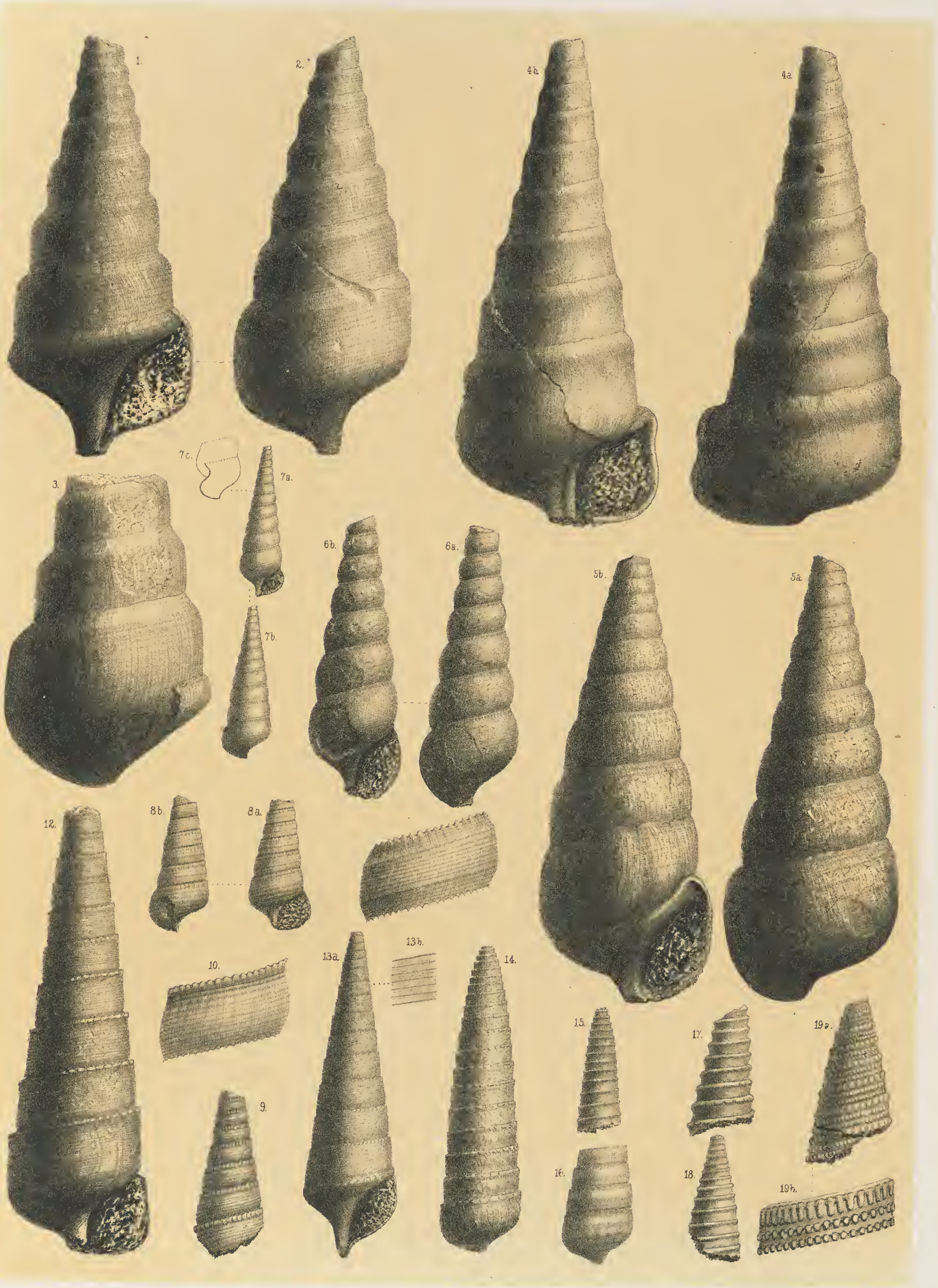

1.2.3. Cerithium praeses *Zitt.* 4. Cerithium confrater *Zitt.* 5. Cerithium collegiale *Zitt.* 6. Cerithium dictyotum *Zitt.*
7.8.9.10.11. Cerithium amabile *Zitt.* 12.13. Cerithium crenato-cinctum *Zitt.* 14.15.16. Cerithium involvens *Zitt.*
17. 18. Cerithium climax *Zitt.* 19. Cerithium monilitesta *Zitt.*

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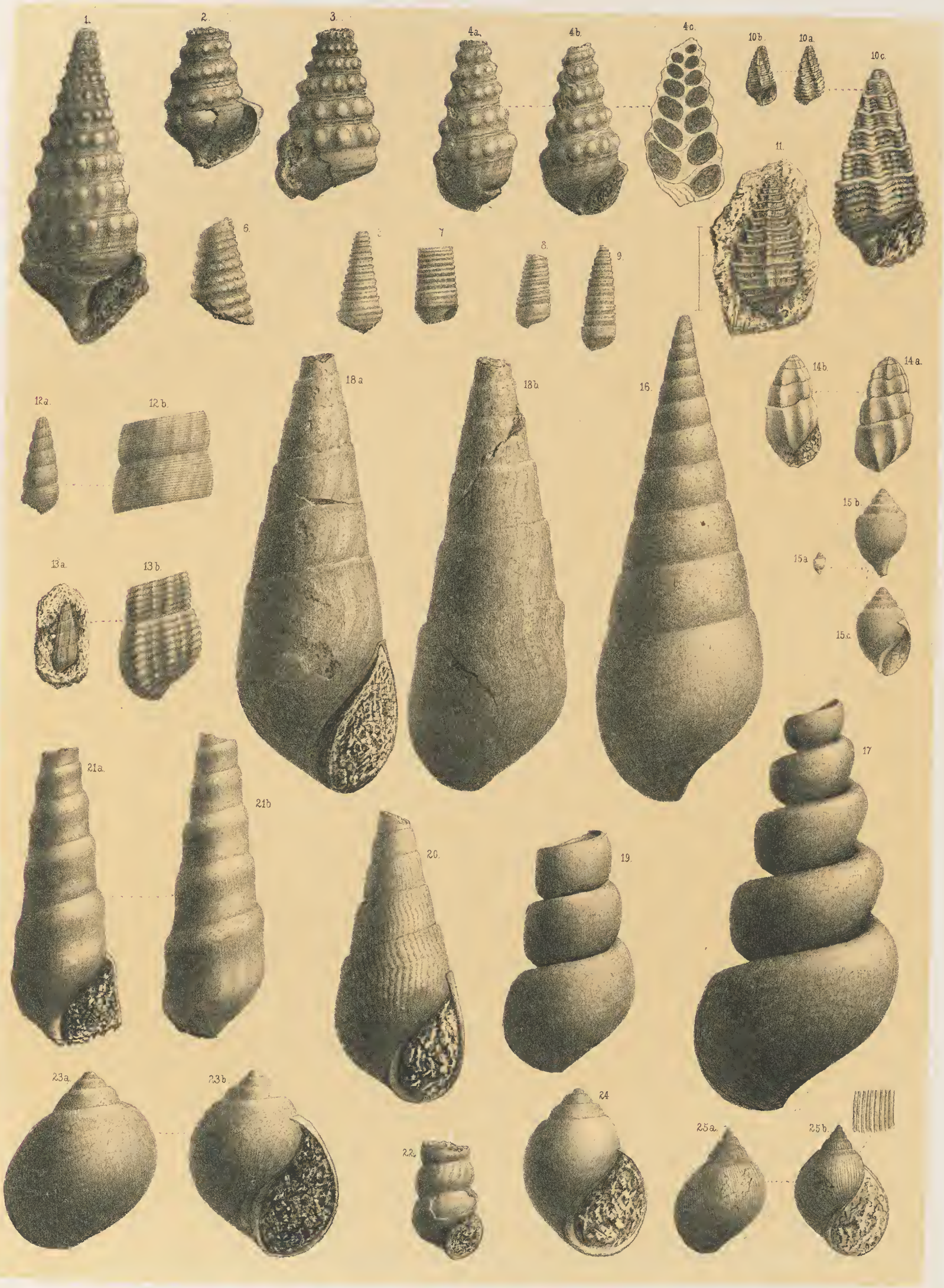

1. 2. 3. Cerithium (Euostoma) nodoso-striatum *Peters*. 4. Cerithium (Euostoma) migrans *Zitt*. 5. 6. Cerithium calamophorum *Zitt*.
7. 8. 9. Cerithium cochleoides *Zitt*. 10. Cerithium Hoheneggeri *Zitt*. 11. Cerithium cfr. Grimaldi *Guinet Ogerien*. 12. Cerithium supraplicatum *Zitt*.
13. Cerithium Mojsisovici *Zitt*. 14. Exelissa pretiosa *Zitt*. 15. Ceritella brevis *Zitt*. 16. 17. Chemnitzia (Pseudomelania) Gemmellaroi *Zitt*.
18. 19. Chemnitzia (Pseudomelania) Castor *Zitt*. 20 Chemnitzia (Pseudomelania) flexicostata *Zitt*. 21. Chemnitzia (Pseudomelania) Strambergensis *Zitt*.
22. Scalaria praecursor *Zitt*. 23. Natica (Ampullina) elegans *Sow*. 24. Natica (Amauropsis) Cireyensis *Zor*. 25. Natica (Euspira) costellifera *Zitt*.

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1. 2. Natica (Ampullina) prophetica *Zitt.* 3. 4. 5. 6. 7. Tylostoma ponderosum *Zitt.* 8. 9. Tylostoma sp. 10. 11. Tylostoma pupoides *Zitt.*
12. Tylostoma labiosum *Zitt.* 13. Tylostoma affine *Zitt.* 14. 15. 16. Narica tuba *Zitt.* 17. 18. Narica spinigera *Zitt.*
19. 20. 21. Narica ventricosa *Zitt.* 22. Rissoina amoena *Zitt.* 23. 24. 25. 26. Nerita Neumayri *Zitt.*

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1-12. Nerita chromatica *Zitt.* 13. Nerita Seebachi *Zitt.* 14. Nerita proxima *Zitt.* 15. Neritopsis decussata Mstr. var. major *Zitt.*
16. Neritopsis Hoheneggeri *Zitt.* 17-20. Neritopsis crassicostata *Zitt.* 21. Neritopsis imbricata *Etallon.*
22 – 23. Pileolus minutus *Zitt.* 24. 25. 26. Turbo gloriosus *Zitt.* 27. Turbo Waageni *Zitt.*

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1. 2. 3. Turbo stephanophorus *Zitt.* 4 5 6. 7. Turbo transitorius *Zitt.* 8. Turbo plicato-costatus *Zitt.* 9. Turbo Oppeli *Zitt.*
10. 11. Turbo Ergx *d'Orb* 12. Phasianella Haueri *Zitt* 13. 14. 15. Onkospira multicingulata *Zitt.* 16. 17. Onkospira gracilis *Zitt.*
18. Trochus singularis *Zitt.* 19. Trochus (Tectus) Ieiosoma *Zitt.* 20. Trochus (Tectus) Gemmellaroi *Zitt.* 21. Trochus (Tectus) fraternus *Zitt.*
22. Trochus (Tectus) Strambergensis *Zitt.* 23. Trochus (Tectus) crassiplicatus *Etallon.* 24. Trochus (Tectus) Beyrichi *Zitt.*
25 Trochus (Ziziphinus) sculpturatus *Zitt.* 26. Trochus (Ziziphinus) Carpathicus *Zitt.*
27. 28. Trochus (Monodonta) clathratus *Etallon sp.* 29. Liotia Hoernesi *Zitt*

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1-6. Pleurotomaria multiformis *Ziet.* 7. 8. Pleurotomaria (Leptomaria) tithonia *Ziet.*

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1. Pleurotomaria (Leptomaria) phacoides *Zitt.* 2. Pl. (Leptomaria) Idae *Zitt.* 3. 4. Pl. (Leptomaria) macromphalus *Zitt.* 5. 6. Pleurot. (Leptomaria) Carpathica *Zitt.* 7. 8. Pl. (Leptomaria) Hoheneggeri *Zitt.* 9. Ditremaria carinata *Zitt.* 10. 12. Ditremaria granulifera *Zitt.* 11. 13. Ditremaria gracilis *Zitt.* 14. 15. Ditremaria striata *Zitt.* 16. Trochotoma Picteti *Zitt.*

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1. 2. Trochotoma gigantea *Zitt.* 3. 4. 5. Trochotoma auris *Zitt.* 6. Rimula multistriata *Zitt.* 7. Rimula interposita *Zitt.* 8. Rimula alternicostata *Zitt.* 9. Rimula patellaeformis *Zitt.*

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1. Emarginula radiata *Zitt.* 2. Emarginula sp? 3. Fissurella circularis *Zitt.* 4. Fissurella janitoris *Zitt.* 5.6. Scurria oxyconus *Zitt.*
7.8. Scurria sp. 9.10. Patella Haueri *Zitt.* 11. Patella pretiosa *Zitt.* 12.13. Patella (Helcion) sculptilis *Zitt.*
14.15. Patella pauciplicata *Zitt.* 16.17. Patella Strambergensis *Zitt.* 18.19. Patella problematica *Zitt.* 20. Actaeonina fusiformis *Zitt.*
21. Actaeonina amygdaloides *Zitt.* 22.23. Actaeonina ovalis *Zitt.* 24. Actaeonina cfr. Mariae *d'Orb.*

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PALAEONTOGRAPHICA.

BEITRAEGE ZUR NATURGESCHICHTE DER VORWELT.

SUPPLEMENT II.

VIERTE ABTHEILUNG.

DIE

BIVALVEN DER STRAMBERGER SCHICHTEN

VON

Dr. GEORG BOEHM.

TAFEL LIII—LXX.

CASSEL.
VERLAG VON THEODOR FISCHER.
1883.

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1–2. Ceromya dubia, Boehm. S. 499.	10. Anatina incertissima, Boehm. S. 498.	21–23. Unicardium oviforme, Boehm. S. 512.
3. Neaera cf. Lorioli, Neumayr. S. 496.	11–12. Venerupis Soykai, „ S. 501.	24–26. U. incisum, „ S. 513.
4–5. Gastrochaena cf. sinuosa, Pict. u. Camp. S. 495.	13–14. Arcomya Neumayri, „ S. 499.	27–29. U. neutrum, „ S. 513.
6–7. G. Zitteli, Boehm. S. 495.	15. Saxicava acute-sinuata, „ S. 501.	30–32. Corbis strambergensis, „ S. 514.
8–9. G. sp. Roehre. S. 496.	16–18. Unicardium angulatum, „ S. 511.	33–36. C. scarificata, „ S. 515.
	19–20. U. umbonatum, „ S. 512.	

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1–4. Corbis Damesi, Boehm. S. 515.
5–7. C.__ fallax, „ S. 516.
8–10. Isocardia Zitteli, Boehm. S. 502.
11–19. Diceras Luci, Var. communis. S. 527.

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1–2. Diceras Luci, Defrance. Var. mirabilis, Boehm. S. 533.
3–9. D.___ Luci, „ Var. communis, „ S. 527.

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1–4. Diceras Luci, Var. communis. S. 527. | 5–6 ? Diceras Luci, α. S. 536.
7–9. Diceras Luci, Var. ovalis. S. 531.

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1. Diceras sp. S. 526.
2-3. ? D.___ Luci, β. S. 536.
4-5. Diceras Luci, Var. extenta. S. 533.
6. D.___ Beyrichi, Var. rugata. S. 540.
7-8. Diceras Beyrichi, Var. communis. S. 537.

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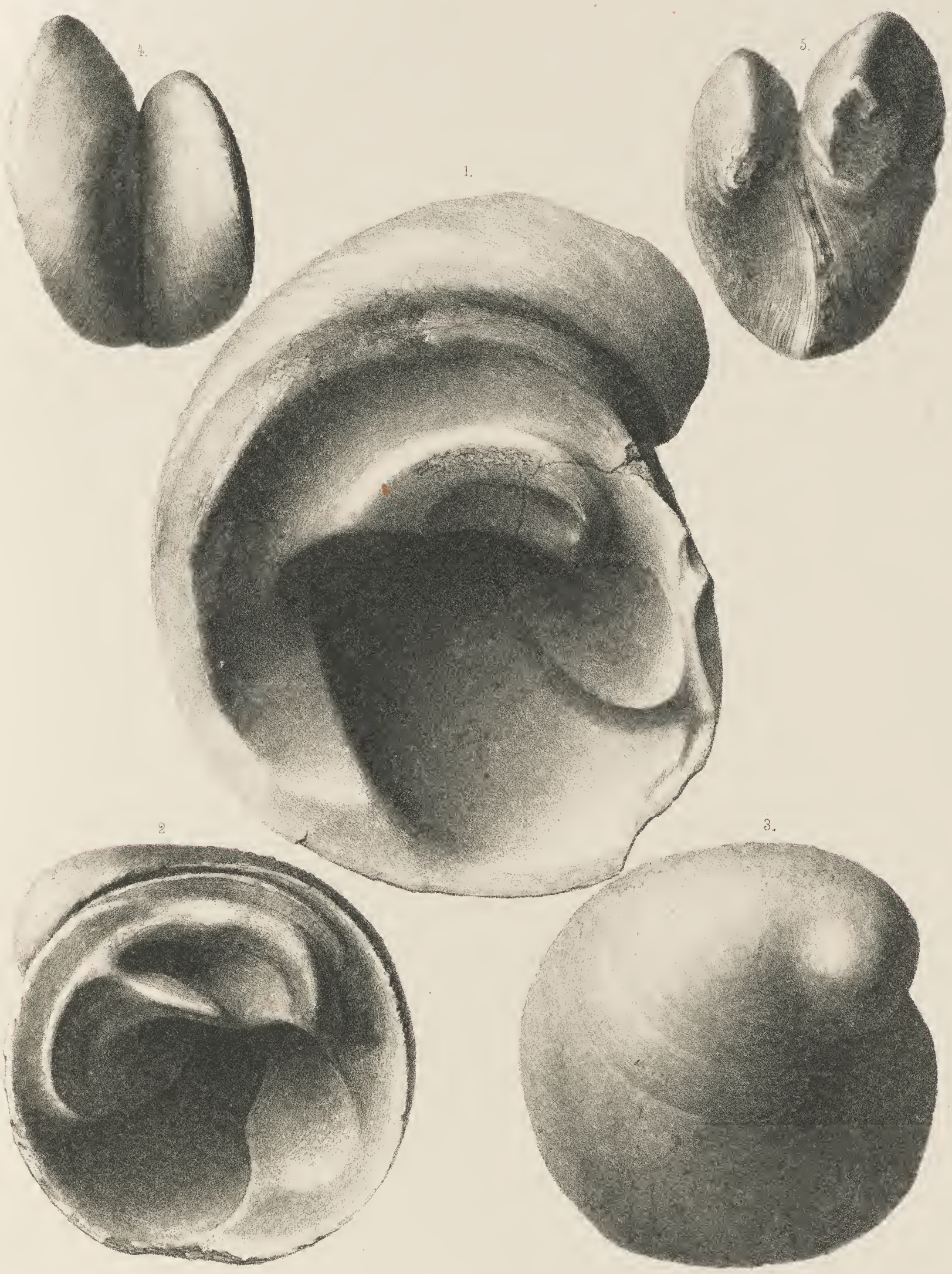

1-3. Diceras Beyrichi, Var. communis, Boehm. S. 537.
4-5. Diceras acutum, Boehm. S. 541.

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1–2. Diceras acutum, Boehm. S. 541.
3. Diceras Beyrichi, Var. porrecta, Boehm. S. 539.

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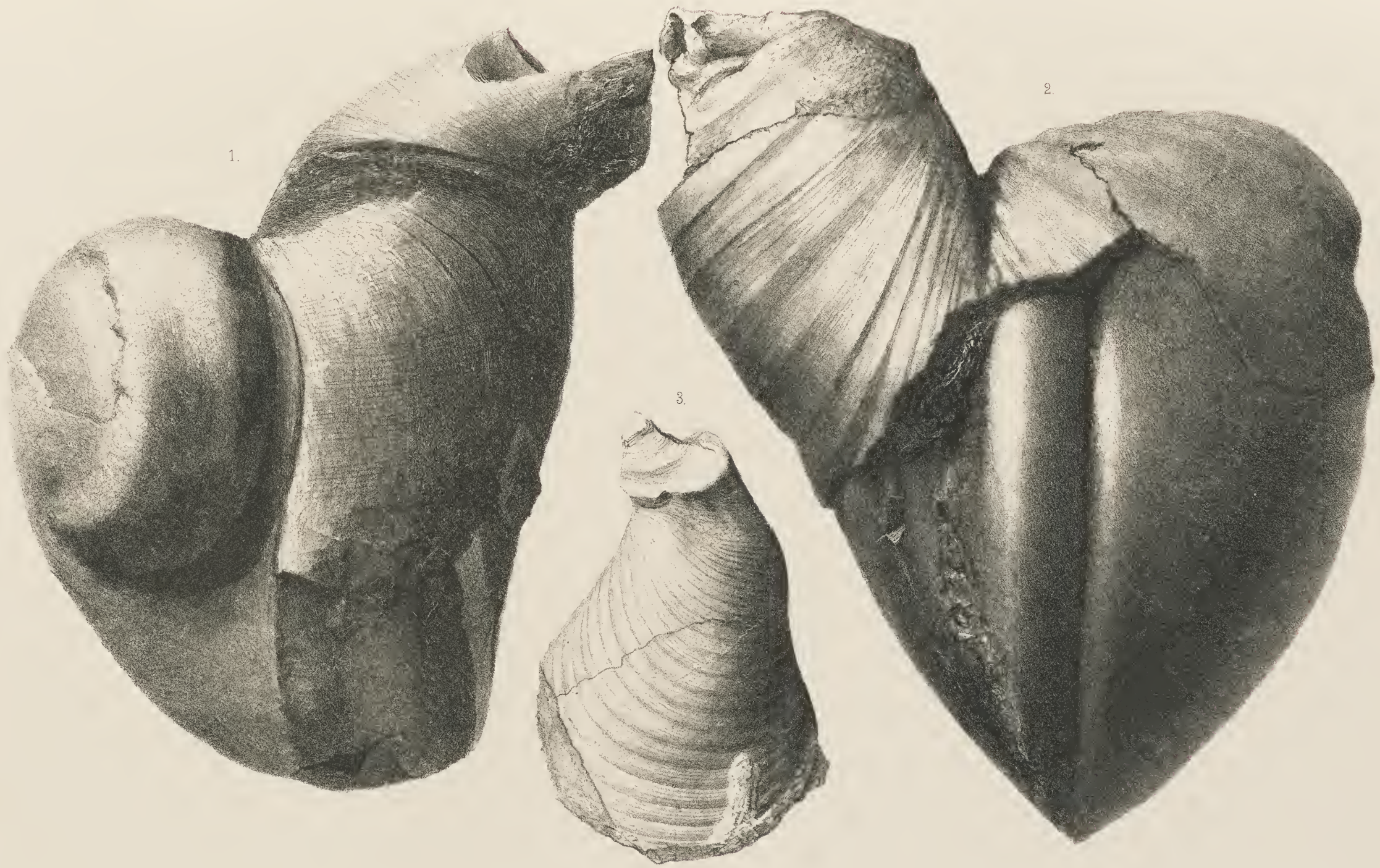

Diceras Beyrichi, Var. porrecta. Boehm. S. 539

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Pachyrisma cf. Beaumonti, Zeuschner. S. 507.

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Boehm. Die Bivalven der Stramberger Schichten.

Taf. LXII.

1-2. Pachyrisma cf. Beaumonti, Zeuschn. S. 507.
3-5. Opis morula, Boehm. S. 551.
6-8. O.— Roberti, Guir. u. Ogér. sp. S. 552.
9-11. O.— plicata, Boehm. S. 555.
12-15. Opis cardissoides, Goldf. sp. S. 553.
16-18. O.— Beneckei, Boehm. S. 552.
19-21. O.— ? aff. Gaulardea, Buv. S. 555.
22-25. O.— aff. carinata, Quenst. S. 550.
26-27. O.— ? Brauni, Boehm. S. 551.
28. Opis ? S. 555.
29-31. Astarte Canavarii, Boehm. S. 563.
32. A.— sp. S. 556.
33. A.— Rzehaki, Boehm. S. 558.

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1–3. Astarte Damesi, Boehm. S. 561.
4–7. A. ___ marcomannica, Boehm. S. 557.
8–9. Astarte cf. marcomannica, Boehm. S 557.
10–13. A. ___ prismatica, Etallon. sp. S 562.
14–15. Astarte strambergensis, Boehm. S. 562.

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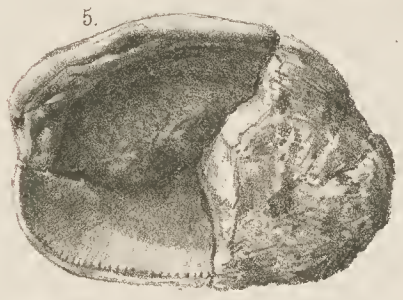
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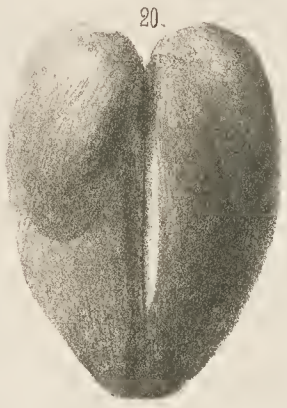
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1–6. Astarte Studeri, de Loï. sp. S. 559.
7–8. Prorokia cf. subproblematica, Boehm. S. 565.
9. Cucullaea sp. S. 566.
10–11. Isoarca n. sp.? S. 571.
12. I. — — ovalis, Boehm. S. 569.
13–16. I. — — cordiformis, Ziet. sp. S. 568.
17–18. Isoarca Haueri, Boehm. S. 568.
19–20. I. — — cf. eminens, Quenst. S. 571.
21–22. I. aff. explicata, Var. brevis, Boehm. S. 570.

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Boehm. Die Bivalven der Stramberger Schichten.

Taf. LXV.

1. Isoarca aff. explicata, Var. longa, Boehm. S. 569.
2-4. I.____ globosa, „ S. 569.
5-6. Arca aff. autissiodorensis, Cott. S. 579.
7-8. A.__ Uhligi, Boehm. S. 579.
9. A.__ cf. soluntina, Gemm. S. 580.
10-11. A.__ magnifice-reticulata, Boehm. S. 580.
12-13. Arca trisulcata, Goldfuss. S. 581.
14-18. Mytilus Neumayri, Boehm. S. 588.
19-21. M.___ Schlosseri, „ S. 590.
22-24. M.___ Galar, „ S. 589.
25-27. M.___ moravicus, „ S. 589.
28-30. Mytilus koniakavensis, Boehm. S. 590.
31-32. M.___ Uhligi, „ S. 591.
33-34. M.___ sp. S. 591.
35. Modiola cf. Lorioli, Zitt. S. 587.
36-38. Modiolaria Kayseri, Boehm. S. 583.
39. Modiola aequiplicata, v. Stromb. S. 587.

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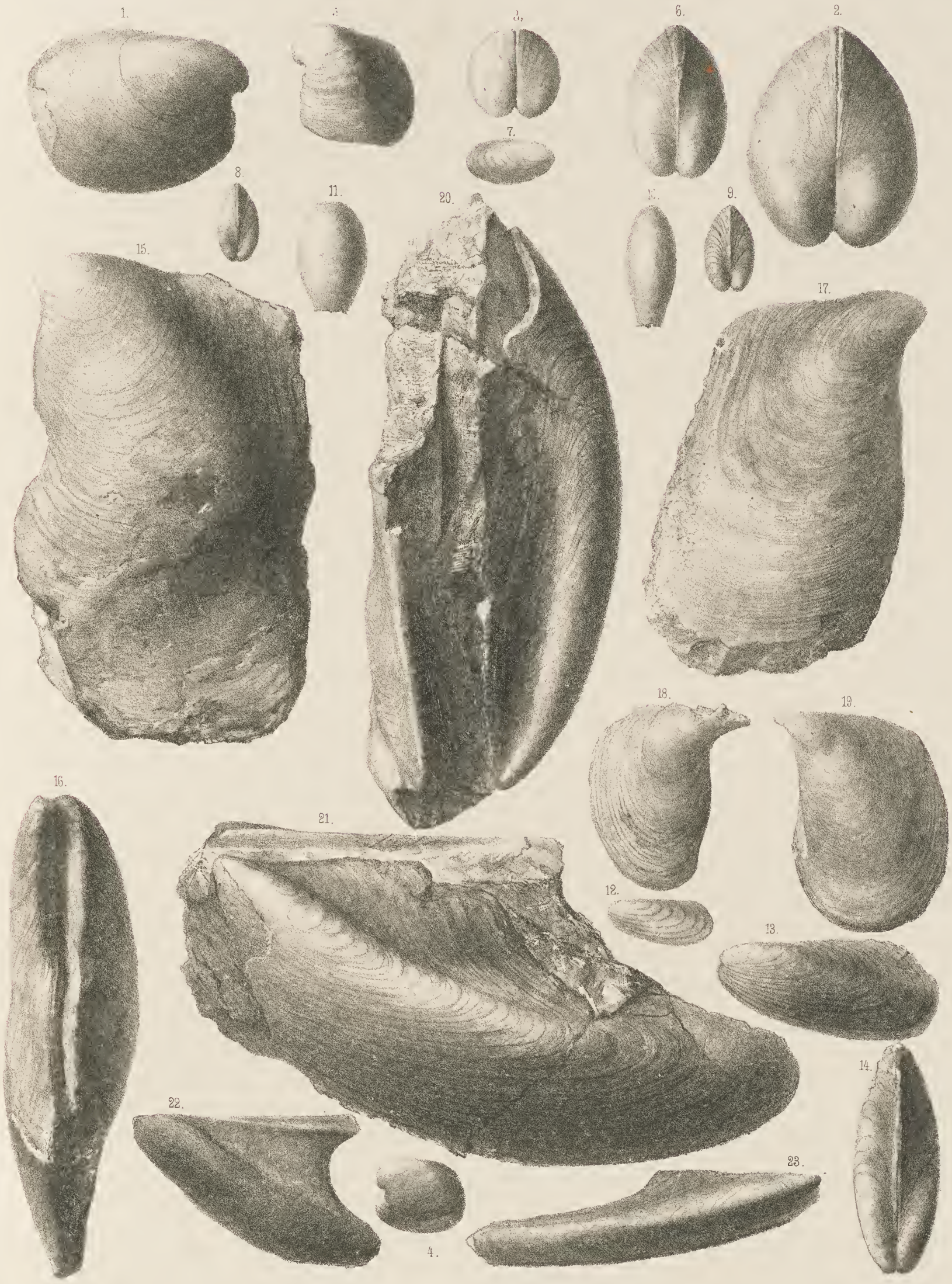
Boehm. Die Bivalven der Stramberger Schichten. Taf. LXVI.



1–2. Modiolaria matris, Boehm. S. 583.
3–4. M.____ vaniloqua, „ S. 584.
5. M.____ cf. vaniloqua, „ S. 584.
6–10. Lithophagus avellana, d'Orb. S. 586.
11. Keule von Lithophagus ? S. 585.
12–14. Lithophagus Beneckei, Boehm. S. 585.
15–16. Perna Steinmanni, „ S. 592.
17. P.__ aff. mytiloides, Lmk. S. 594.
18. P.__ Gemmellaroi, Boehm. S. 594.
19. Perna Fontannesi, Boehm. S. 593.
20–21. Avicula aff. Struckmanni, de Lor. S. 597.
22. A.___ mistrowitzensis, Boehm. S. 596.
23. Gervillia Gottschei, „ S. 596.

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Boehm. Die Bivalven der Stramberger Schichten. Taf. LXVII.

1–3. Inoceramus? strambergensis, Boehm. S. 595.
4. I. _ _ _ _? tithonius, „ S. 595.
5–6. Pecten poecilographus, Gemm. u. di Blas. S. 600.
7–9. P. _ _ fraudator, Boehm. S. 604.
10–12. P. _ _ clare rugatus, „ S. 601.
13–14. P. _ _ aff. acrocrysus, Gemm. u. di Blas. S. 603.
15–16. P. _ _ cinguliferus, Zitt. S. 601.
17–18. Pecten aff. Grenieri, Ctj. S. 603.
19–20. P. _ _ aff. Gioenii, Gemm. u. di Blas. S. 604.
21–23. P. _ _ tithonius, „ „ S. 605.
24–26. P. _ _ acrocrysus, „ „ S. 602.
27–29. P. _ _ cordiformis, „ „ S. 611.
30. P. _ _ aff. nebrodensis, „ „ S. 608.
31. Pecten Oppeli, Gemm. u. di Blas. S. 606.
32. ? P. _ _ Oppeli, „ „ S. 607.
33. P. _ _ aff. Oppeli, „ „ S. 608.
34–35. P. _ _ arotoplicus, „ „ S. 609.
36–38. P. _ _ n. sp. S. 614.
39. P. _ _ sp. S. 615.
40–41. P. _ _ subspinosus, Schloth. S. 612.

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1-4. Pecten aff. vimineus, J. Sow. S. 615.
5. P____ sp. indet. S. 617.
6. Hinnites sp. S. 619.
7-8. Hinnites cf. astartinus, de Lor. S. 619.
9. Anomia sp. S. 654.
10-17. Hinnites ? S. 620.

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Boehm. Die Bivalven der Stramberger Schichten. Taf. LXIX.

1.	Ctenoides ctenoides, Boehm. S. 627.	13-14.	Lima ferri, Boehm. S. 638.
2-3.	Limatula dispersa, „ S. 628.	15-16.	L. Kayseri, „ S. 637.
4-5.	L. bucculenta, „ S. 629.	17-19.	L. Pratzi, „ S. 636.
6-9.	Lima latelunulata, „ S. 634.	20.	L. strambergensis, „ S. 642.
10-12.	L. Marbodi, „ S. 641.	21-22.	L. mistrowitzensis, „ S. 638.

23. Lima Fladi, Boehm. S. 642.

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1-2. Spondylus moravicus, Boehm. S. 643.	12-13. Placunopsis tatrica, Zitt. S. 652.	19. Anomia sp. S. 655.
3-4. S. ——— globosus, Quenst. sp. S. 644.	14. P. ——— cf. tatrica, „ S. 653.	20-22. Ostrea tithonia, Boehm. S. 656.
5. S. ——— ? S. 643.	15. P. ——— aff. tatrica, „ S. 653.	23. O. ——— aff. solitaria, J. Sow. S. 657.
6-8. S. ——— tithonius, Boehm. S. 646.	16. P. ——— sp. indet. S. 653.	24-26. O. ——— strambergensis, Boehm. S. 657.
9-10. Plicatula strambergensis, „ S. 651.	17. P. ——— granifera, Boehm. S. 654.	27-30. O. ——— rastellaris, Münst. Var. S. 658.
11. P. ——— koniakavensis, „ S. 651.	18. Anomia sp. S. 655.	31-32. O. ——— cf. hastellata, Quenst. S. 658.

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PALAEONTOGRAPHICA.

BEITRAEGE ZUR NATURGESCHICHTE DER VORWELT.

SUPPLEMENT II.

FÜNFTE ABTHEILUNG.

DIE

ECHINIDEN DER STRAMBERGER SCHICHTEN

VON

GUSTAVE COTTEAU.

TAFEL I — V.

CASSEL.

VERLAG VON THEODOR FISCHER.

1884.

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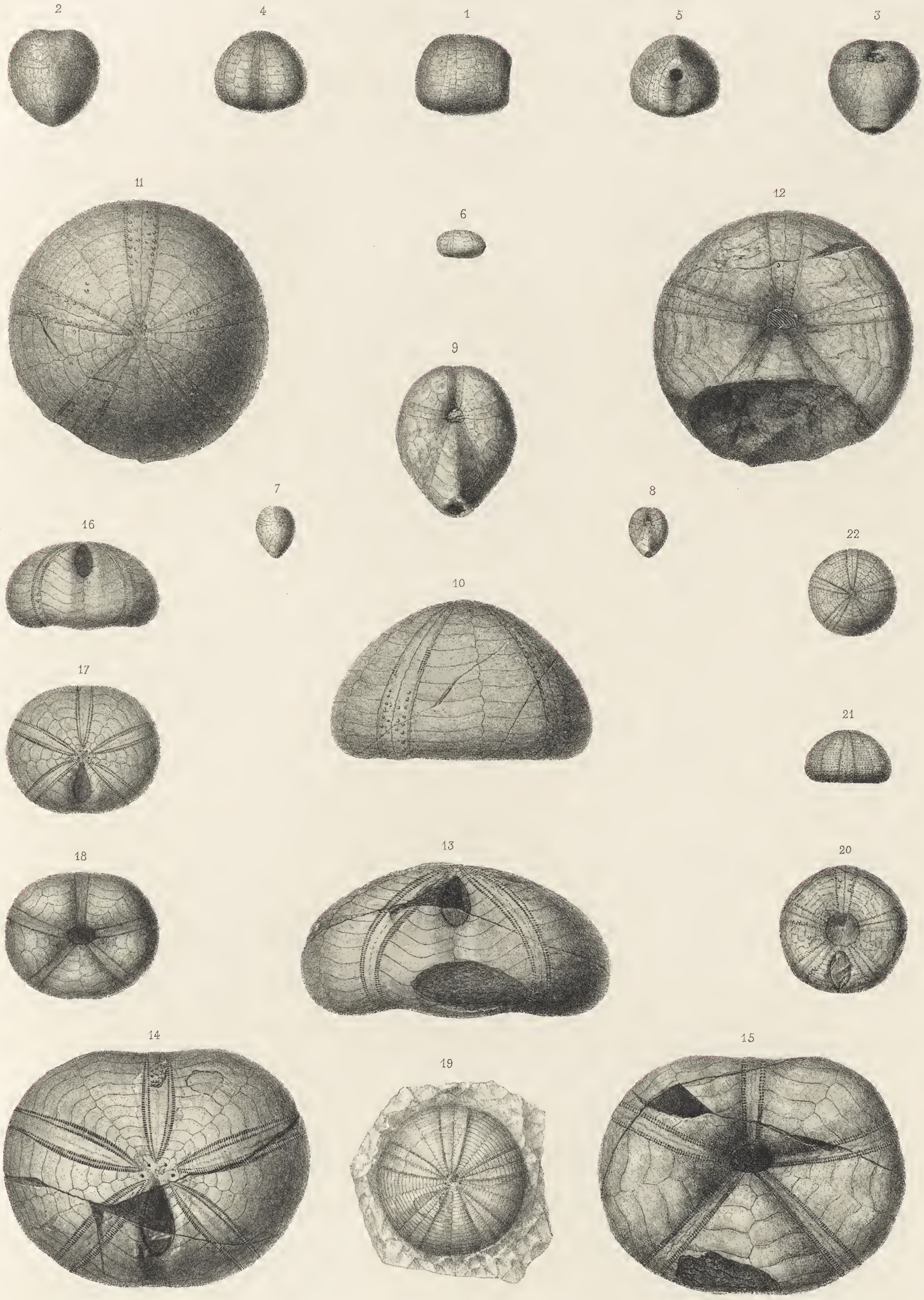
COTTEAU. — Echinides des couches de Stramberg.

Taf. I.



Humbert lith.

Imp. Becquet fr. Paris.

1 — 5. Metaporhinus convexus (Catul.), Cotteau.
6 — 9. Collyrites carinata, Des Moulins.
10 — 12. Pachyclypeus semiglobus (Goldf.), Desor.
13 — 18. Pseudodesorella Orbignyi (Cot.), Etallon.
19 et 20. Holectypus corallinus, d'Orbigny.
21 et 22. H. _____ orificiatus (Schl.), de Loriol.

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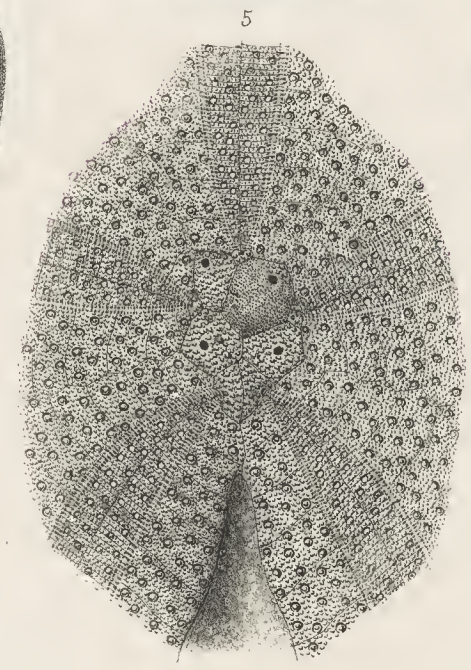
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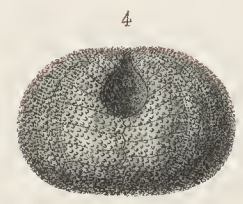
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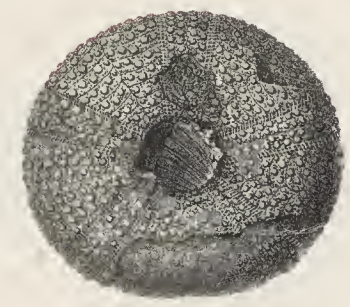
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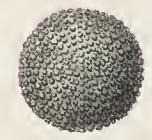
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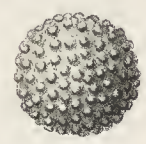
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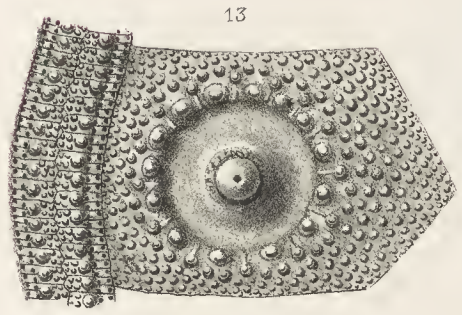
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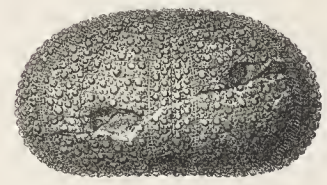
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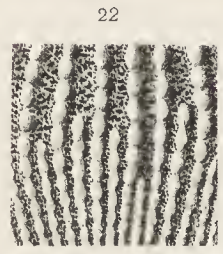
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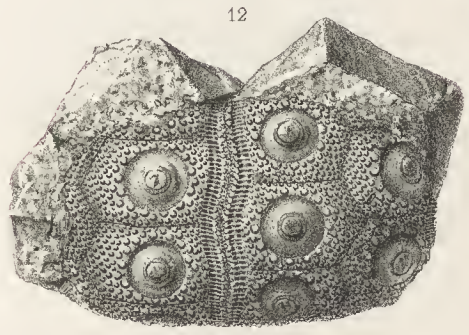
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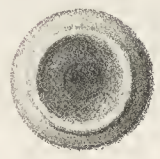
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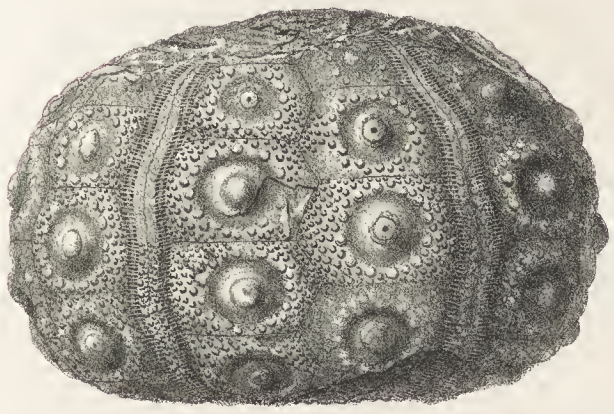
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1_6. Pyrina icaunensis (Cott.), de Loriol. | 7_9. Pygaster Gresslyi, Desor.
10_25. Cidaris glandifera, Goldfuss.

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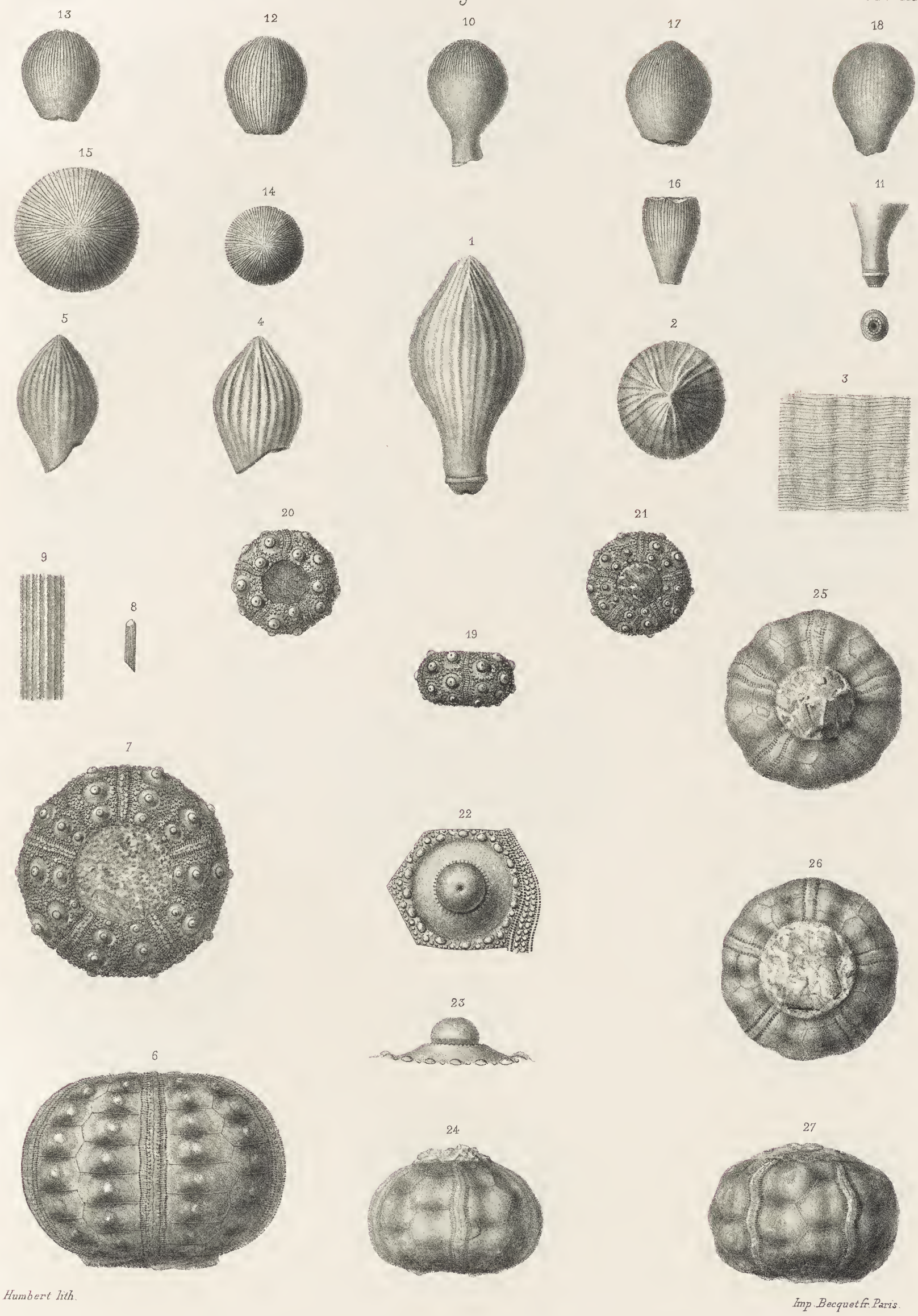
COTTEAU. _ Echinides des couches de Stramberg.

Taf. III.



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1 _ 5. Cidaris carinifera, Agassiz.
6 _ 9. C.____ Blumenbachi, Munster.
10 _ 18. Cidaris strambergensis, Cotteau.
19 _ 23. C.____ propinqua, Munster.
24 _ 27. Cidaris gibbosa, Cotteau.

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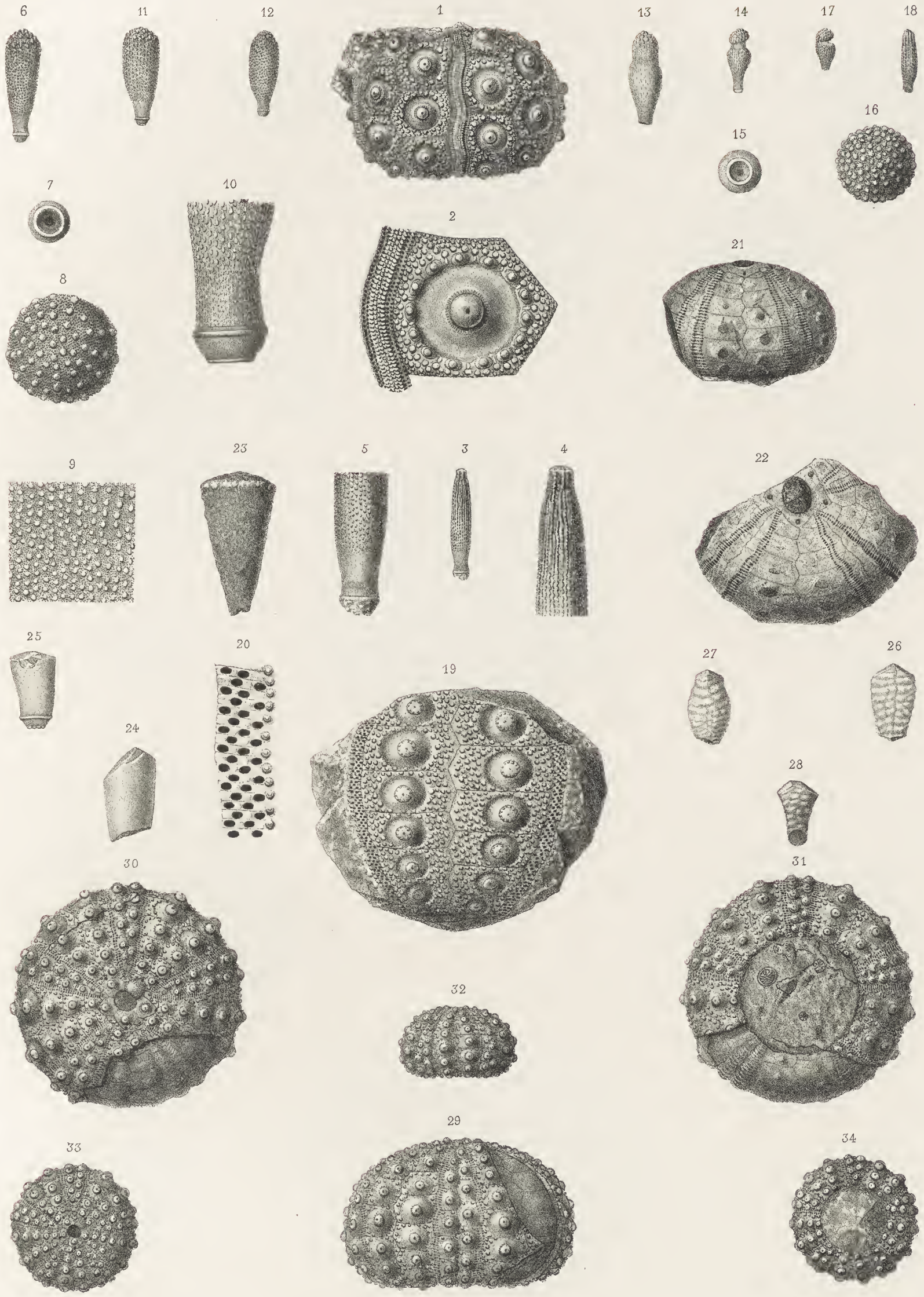

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1 et 2. *Cidaris marginata*, Goldfuss.
3 — 5. *C.* ——— *subpunctata*, Cotteau.
6 — 18. *C.* ——— *Sturi*, Cotteau.
19 et 20. *Diplocidaris Etalloni*, de Loriol.
21 et 22. *Hemicidaris Agassizi* (Rœm), Dames.
23 — 25. *H.* ——— *crenularis* (Lam.), Agassiz.
26 — 28. *H.* ——— *Zitteli*, Cotteau.
29 — 34. *Acrocidaris nobilis*, Agassiz.

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COTTEAU. _ Echinides des couches de Stramberg.

Taf. V.

Humbert lith.

Imp. Becquet fr. Paris.

1 _ 5. *Pseudodiadema pseudodiadema (Lam.), Cotteau.*
6 _ 10. *P. _____ florescens (Agas.), de Loriol.*
11 _ 14. *P. _____ subangulare (Goldf.), Cotteau.*
15 _ 16. *Pedina sublœvis, Agassiz.*
17 _ 20. *Stomechinus perlatus (Desm.), Desor.*
21 _ 22. *Diplocidaris Etalloni, de Loriol.*

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